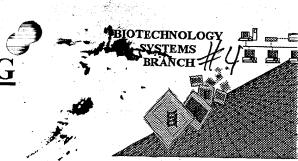
RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

0 9/463,075

Art Unit / Team No.:

1655

Date Processed by STIC:

5/12/2000

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT FOR COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212





1655

```
RAW SEQUENCE LISTING
                                                                           DATE: 05/12/2000
                          PATENT APPLICATION: US/09/463,075
                                                                           TIME: 14:46:52
                          Input Set : A:\D17061SEQ.ANGLAIS1.txt
                          Output Set: N:\CRF3\05122000\I463075.raw
                                                                                                     Does Not Comply
                                                                                               Corrected Diskette Needed
          (1) GENERAL INFORMATION:
                (i) APPLICANT:
                                  (A) COHEN, Daniel
                                  (B) BLUMENFELD, Marta
       8
       9
                                  (C) TCHOUMAKOV, Ilia
               (ii) TITLE OF INVENTION: Biallelic markers for use in constructing a high density
      11
disequilibrium map of the human genome.

13 (iii) NUMBER OF SEQUENCES: 336
                                                                                    (iv) CORRESPONDENCE ADDRESS:
                                                                                        (A) ADDRESSEE:
(B) STREET:
(C) CITY:
(D) STATE:
(E) COUNTRY:
(F) ZIP:
                (V) COMPUTER READABLE FORM:
                                                                                                               headerge ord
response for
a U.S. application
      15
                      (A) MEDIUM TYPE: Floppy Disk
(B) COMPUTER: IBM PC compatible
      16
      17
                      (C) OPERATING SYSTEM: Win95
                      (D) SOFTWARE: Word
               (vi) CURRENT APPLICATION DATA:
                      (A) APPLICATION NUMBER: US/09/463,075
                      (B) FILING DATE: 14-Jan-2000
ERRORED SEQUENCES
      8722 (2) INFORMATION FOR SEQ ID NO: 305:
                  (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 48 base pairs

(B) TYPE: NUCLEIC ACID

(C) STRANDEDNESS: SINGLE
      8724
      8725
      8726
      8727
                 (D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: DNA
      8728
WOK 8730
                 (vi) ORIGINAL SOURCE:
      8732
      8733
                        (A) ORGANISM: Homo sapiens
      8735
                 (ix) FEATURE:
      8736
                        (A) NAME/KEY: polymorphic fragment 99-365
      8737
                         (B) LOCATION: 1..48
      8739
                 (ix) FEATURE:
      8740
                        (A) NAME/KEY: polymorphic base
     8741
8742
                         (B) LOCATION: 24
                        (D) OTHER INFORMATION: base c
      8744
                 (ix) FEATURE:
      8745
                        (A) NAME/KEY: microsequencing oligo 99-365-mis1
      8746
                        (B) LOCATION: 5..23
      8748
                 (ix) FEATURE:
      8749
                        (A) NAME/KEY: Potential microsequencing oligo 99-365-mis2
      8750
                        (B) LOCATION: complement 25..48
                 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 305:
     8752
E--> 8755 CCTACCAAGC AAGCAGCCCC AGCCTAGGGT CAGACAGGGT GAGCCTC
     8949 (2) INFORMATION FOR SEQ ID NO: 311:
8951 (i) SEQUENCE CHARACTERISTICS:
8952 (A) LENGTH: 48 base pairs
8953 (B) TYPE: NUCLEIC ACID
                                                                   (next page)
```





47 C-

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/463,075

DATE: 05/12/2000 TIME: 14:46:53

Input Set : A:\D17061SEQ.ANGLAIS1.txt
Output Set: N:\CRF3\05122000\1463075.raw

```
(C) STRANDEDNESS: SINGLE
      8954
                 (D) TOPOLOGY: LINEAR
(ii) MOLECULE TYPE: DNA
      8955
10 E 8957
                 (Vi) ORIGINAL SOURCE:
      8959
      8960
                         (A) ORGANISM: Homo sapiens
      8962
                  (ix) FEATURE:
                         (A) NAME/KEY: polymorphic fragment 99-365 (B) LOCATION: 1..48
      8963
      8964
                          (D) OTHER INFORMATION: variant version of SEQ ID305
      8965
      8967
                  (ix) FEATURE:
                         (A) NAME/KEY: polymorphic base (B) LOCATION: 24
      8968
      8969
                          (D) OTHER INFORMATION: base t; c in SEQ ID305
      8970
                 (ix) FEATURE:
      8972
                         (A) NAME/KEY: microsequencing oligo 99-365-misl
(B) LOCATION: 5..23
      8973
      8974
      8976
                  (ix) FEATURE:
                  (A) NAME/KEY: Potential microsequencing oligo 99-365-mis2
(B) LOCATION: complement 25..48
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 311:
      8977
      8978
      8980
E--> 8983 CCTACCAAGC AAGCAGCCCC AGCTTAGGGT CAGACAGGGT GAGCCTC
```





VERIFICATION SUMMARY DATE: 05/12/2000
PATENT APPLICATION: US/09/463,075 TIME: 14:46:54

Input Set : A:\D17061SEQ.ANGLAIS1.txt
Output Set: N:\CRF3\05122000\1463075.raw

```
L:0 M:200 E: Mandatory Header Field missing, [(A) ADDRESSEE:]
L:0 M:200 E: Mandatory Header Field missing, [(B) STREET:]
L:0 M:200 E: Mandatory Header Field missing, [(C) CITY:]
L:0 M:200 E: Mandatory Header Field missing, [(D) STATE:]
L:0 M:200 E: Mandatory Header Field missing, [(E) COUNTRY:]
L:0 M:200 E: Mandatory Header Field missing, [(F) ZIP:]
L:0 M:249 C: Inserted Mandatory Field, [(vi) CURRENT APPLICATION DATA:]
L:0 M:249 C: Inserted Mandatory Field, [(A) APPLICATION NUMBER:]
L:0 M:249 C: Inserted Mandatory Field, [(B) FILING DATE:]
L:29 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=1, Value=[DNA]
L:69 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2, Value=[DNA]
L:106 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=3, Value=[DNA] L:143 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=4, Value=[DNA] L:180 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=5, Value=[DNA]
                                                                  [MOLECULE TYPE:], SeqNo=6, Value=[DNA]
L:217 M:246 W: Invalid value of Alpha Sequence Header Field,
L:254 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                  [MOLECULE TYPE:], SeqNo=7, Value=[DNA]
L:291 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                   [MOLECULE TYPE:], SeqNo=8, Value=[DNA]
L:328 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                  [MOLECULE TYPE:], SeqNo=9, Value=[DNA]
L:365 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                   [MOLECULE TYPE:], SeqNo=10, Value=[DNA]
L:402 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                   [MOLECULE TYPE:],
                                                                                      SeqNo=11,
                                                                                                Value=[DNA]
L:439 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                   [MOLECULE TYPE:], SeqNo=12,
                                                                                                 Value=[DNA]
L:476 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                  [MOLECULE TYPE:], SeqNo=13,
[MOLECULE TYPE:], SeqNo=14,
                                                                                                 Value=[DNA]
L:513 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                                                 Value=[DNA]
L:550 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                   [MOLECULE TYPE:],
                                                                                                 Value=[DNA]
                                                                                      SeqNo=15,
L:587 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                   [MOLECULE TYPE:], SeqNo=16,
                                                                                                 Value=[DNA]
L:624 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                   [MOLECULE TYPE:], SeqNo=17,
                                                                                                 Value=[DNA]
L:661 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                                                 Value=[DNA]
                                                                   [MOLECULE TYPE:], SeqNo=18,
L:698 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                   [MOLECULE TYPE:],
                                                                                                 Value=[DNA]
                                                                                      SeqNo=19,
L:735 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                   [MOLECULE TYPE:],
                                                                                      SeqNo=20,
                                                                                                 Value=[DNA]
L:772 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                   [MOLECULE TYPE:],
                                                                                      SeqNo=21,
                                                                                                 Value=[DNA]
                                                                                                 Value=[DNA]
L:809 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                  [MOLECULE TYPE:], SeqNo=22,
                                                                                                 Value=[DNA]
L:846 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                  [MOLECULE TYPE:], SeqNo=23,
                                                                   [MOLECULE TYPE:],
L:883 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                                      SeqNo=24,
                                                                                                 Value=[DNA]
L:920 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                  [MOLECULE TYPE:], SeqNo=25,
                                                                                                 Value=[DNA]
L:957 M:246 W: Invalid value of Alpha Sequence Header Field,
                                                                  [MOLECULE TYPE:],
                                                                                      SeqNo=26,
                                                                                                 Value=[DNA]
L:994 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=27,
                                                                                                 Value=[DNA]
L:1031 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=28, Value=[DNA]
L:1068 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:],
                                                                                       SeqNo=29, Value=[DNA]
L:1105 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:],
                                                                                       SeqNo=30, Value=[DNA]
                                                                                       SeqNo=31, Value=[DNA]
L:1142 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:],
L:1179 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=32, Value=[DNA]
                                                                                       SeqNo=33, Value=[DNA]
L:1216 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=33, Value=[DNA]
L:1253 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=34, Value=[DNA]
L:1290 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:],
                                                                                       SeqNo=35, Value=[DNA]
L:1327 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=36, Value=[DNA]
L:1364 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=37, Value=[DNA]
L:1401 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=38, Value=[DNA]
L:1438 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=39, Value=[DNA]
```





 VERIFICATION SUMMARY
 DATE: 05/12/2000

 PATENT APPLICATION: US/09/463,075
 TIME: 14:46:54

Input Set : A:\D17061SEQ.ANGLAIS1.txt
Output Set: N:\CRF3\05122000\1463075.raw

```
L:1475 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=40, Value=[DNA]
L:1512 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=41, Value=[DNA]
L:1586 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=42, Value=[DNA]
L:1586 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=43, Value=[DNA]
L:1620 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=44, Value=[DNA]
L:1660 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=45, Value=[DNA]
L:1697 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=46, Value=[DNA]
L:1734 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=46, Value=[DNA]
L:1771 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=47, Value=[DNA]
L:1808 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=49, Value=[DNA]
L:1845 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=49, Value=[DNA]
L:1845 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=49, Value=[DNA]
L:1845 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=50, Value=[DNA]
L:18983 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=50, Value=[DNA]
L:8983 M:246 W: Invalid value of Bases differs from actual, LENGTH:Input:48 Counted:47
L:8983 M:204 E: (24) Calc# of Bases differs from actual, LENGTH:Input:48 Counted:47
L:9606 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:336
```